


```
|||||
Db 301 SYEFQGDYMFYTGEGALKNDGYSQHLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360
QY 361 LEGKTDACOGDSGGPLVSSDARDIWLACIVSWGDECAKPNKPGVYTRVYALRDMWITSKT 420
Db 361 LEGKTDACOGDSGGPLVSSDARDIWLACIVSWGDECAKPNKPGVYTRVYALRDMWITSKT 420
QY 421 GI 422
Db 421 GI 422

RESULT 3
AA999414
ID AAY99414 standard; Protein; 423 AA.
XX AC
XX AAY99414;
XX
DT 08-AUG-2000 (first entry)
XX
DE Human PRO1461 (UNQ742) amino acid sequence SEQ ID NO:269.
XX
KW Human; PRO polypeptide; membrane bound protein; receptor; diagnosis;
KW transmembrane; Secretion; immunoadhesion; pharmaceutical; screening.
XX
OS Homo sapiens.
PN WO200012708-A2.
XX
PD 09-MAR-2000.
XX
PF 01-SEP-1999; 99WO-US20111.
XX
XX 01-SEP-1998; 98US-0098716.
PR 01-SEP-1998; 98US-0098749.
PR 01-SEP-1998; 98US-0098750.
PR 02-SEP-1998; 98US-0098803.
PR 02-SEP-1998; 98US-0098821.
PR 02-SEP-1998; 98US-0098843.
PR 09-SEP-1998; 98US-0099536.
PR 09-SEP-1998; 98US-0099596.
PR 09-SEP-1998; 98US-0099598.
PR 09-SEP-1998; 98US-0099602.
PR 09-SEP-1998; 98US-0099642.
PR 10-SEP-1998; 98US-0099741.
PR 10-SEP-1998; 98US-0099754.
PR 10-SEP-1998; 98US-0099763.
PR 10-SEP-1998; 98US-0099792.
PR 10-SEP-1998; 98US-0099808.
PR 10-SEP-1998; 98US-0099812.
PR 10-SEP-1998; 98US-0099815.
PR 10-SEP-1998; 98US-0099816.
PR 15-SEP-1998; 98US-0100385.
PR 15-SEP-1998; 98US-0100388.
PR 15-SEP-1998; 98US-0100390.
PR 16-SEP-1998; 98US-0100584.
PR 16-SEP-1998; 98US-0100627.
PR 16-SEP-1998; 98US-0100661.
PR 16-SEP-1998; 98US-0100662.
PR 16-SEP-1998; 98US-0100664.
PR 17-SEP-1998; 98US-0100683.
PR 17-SEP-1998; 98US-0100684.
PR 17-SEP-1998; 98US-0100710.
PR 17-SEP-1998; 98US-0100711.
PR 17-SEP-1998; 98US-0100919.
PR 17-SEP-1998; 98US-0100930.
PR 18-SEP-1998; 98US-0100848.
PR 18-SEP-1998; 98US-0100849.
PR 18-SEP-1998; 98US-0101014.
PR 18-SEP-1998; 98US-0101068.
PR 18-SEP-1998; 98US-0101071.
PR 22-SEP-1998; 98US-0101279.
PR 23-SEP-1998; 98US-0101471.
PR 23-SEP-1998; 98US-0101472.
PR 23-SEP-1998; 98US-0101474.
PR 23-SEP-1998; 98US-0101475.
PR 23-SEP-1998; 98US-0101476.
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PR 24-SEP-1998; 98US-0101741.
PR 24-SEP-1998; 98US-0101743.
PR 24-SEP-1998; 98US-0101915.
PR 24-SEP-1998; 98US-0101916.
PR 29-SEP-1998; 98US-0102207.
PR 29-SEP-1998; 98US-0102240.
PR 29-SEP-1998; 98US-0102307.
PR 29-SEP-1998; 98US-0102330.
PR 29-SEP-1998; 98US-0102331.
PR 30-SEP-1998; 98US-0102484.
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PR 30-SEP-1998; 98US-0102570.
PR 30-SEP-1998; 98US-0102571.
PR 01-OCT-1998; 98US-0102684.
PR 01-OCT-1998; 98US-0102687.
PR 02-OCT-1998; 98US-0102965.
PR 06-OCT-1998; 98US-0103258.
PR 06-OCT-1998; 98US-0103449.
PR 07-OCT-1998; 98US-0103314.
PR 07-OCT-1998; 98US-0103315.
PR 07-OCT-1998; 98US-0103328.
PR 07-OCT-1998; 98US-0103395.
PR 07-OCT-1998; 98US-0103396.
PR 07-OCT-1998; 98US-0103401.
PR 08-OCT-1998; 98US-0103678.
PR 08-OCT-1998; 98US-0103679.
PR 08-OCT-1998; 98US-0103711.
PR 14-OCT-1998; 98US-0104257.
PR 20-OCT-1998; 98US-0104987.
PR 20-OCT-1998; 98US-0105000.
PR 20-OCT-1998; 98US-0105002.
PR 21-OCT-1998; 98US-0105104.
PR 22-OCT-1998; 98US-0105169.
PR 22-OCT-1998; 98US-0105266.
PR 26-OCT-1998; 98US-0105693.
PR 26-OCT-1998; 98US-0105694.
PR 27-OCT-1998; 98US-0105807.
PR 27-OCT-1998; 98US-0105881.
PR 27-OCT-1998; 98US-0105882.
PR 27-OCT-1998; 98US-0106062.
PR 28-OCT-1998; 98US-0106023.
PR 28-OCT-1998; 98US-0106029.
PR 28-OCT-1998; 98US-0106030.
PR 28-OCT-1998; 98US-0106032.
PR 28-OCT-1998; 98US-0106033.
PR 28-OCT-1998; 98US-0106178.
PR 29-OCT-1998; 98US-0106248.
PR 29-OCT-1998; 98US-0106384.
PR 29-OCT-1998; 98US-0106500.
PR 30-OCT-1998; 98US-0106464.
PR 03-NOV-1998; 98US-0106856.
PR 03-NOV-1998; 98US-0106902.
PR 03-NOV-1998; 98US-0106905.
PR 03-NOV-1998; 98US-0106919.
PR 03-NOV-1998; 98US-0106932.
PR 03-NOV-1998; 98US-0106934.
PR 10-NOV-1998; 98US-0107783.
PR 17-NOV-1998; 98US-0108775.
PR 17-NOV-1998; 98US-0108779.
PR 17-NOV-1998; 98US-0108787.
PR 17-NOV-1998; 98US-0108788.
PR 17-NOV-1998; 98US-0108801.
PR 17-NOV-1998; 98US-0108802.
PR 17-NOV-1998; 98US-0108806.
PR 17-NOV-1998; 98US-0108807.
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XX PS Claim 11; Fig 320; 774pp; English.
XX
CC Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.
CC The PRO polypeptides and their associated nucleic acids can be used to
CC detect the presence of a tumour in a mammal by comparing the level of
CC expression of a PRO polypeptide in a test sample of cells from the animal
CC and a control sample of normal cells, whereby a higher level of
CC expression in the test sample indicates the presence of a tumour in the
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats
CC and rabbits but are preferably human. The polypeptides can be used to
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,
CC when contacted with it. A specific polypeptide can be used to stimulate
CC the proliferation or differentiation of chondrocyte cells. The PRO
CC proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders.
XX SQ Sequence 423 AA;
Query Match 99.6%; Score 2255; DB 22; Length 423;
Best Local Similarity 99.5%; Pred. No. 1.le-178;
Matches 420; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Qy 1 MYRPDVRARKRVCEPWVIGLVIFISILVLAVCIGLVHVRYNOKKTYNYISLSTFT 60
Dy 1 MYRPDVRARKRVCEPWVIGLVIFISILVLAVCIGLVHVRYNOKKTYNYISLSTFT 61
Qy 61 DKLYAEFGREASNNFTENSQRLESVMKNFYKSPUREEFVKSQVIFKFSQKHGVLHMLL 120
Dy 62 DKLYAEFGREASNNFTENSQRLESVMKNFYKSPUREEFVKSQVIFKFSQKHGVLHMLL 121
Qy 121 ICRFHSTEDPETVDKIVQLVHLKLDQAVGPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
Dy 122 ICRFHSTEDPETVDKIVQLVHLKLDQAVGPKVDPHSVKIKKINKTETDSYLNHCCGTR 181
Qy 181 RSKTLGQSLRIVGGTEVEGEWPMQASLOWDGSACGATLINATWLVSAAHCFTTYKNPA 240
Dy 182 RSKTLGQSLRIVGGTEVEGEWPMQASLOWDGSACGATLINATWLVSAAHCFTTYKNPA 241
Qy 241 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRYCLPDA 300
Dy 242 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRYCLPDA 301
Qy 301 SYEFQPGDVMFTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRILCAGS 360
Dy 302 SYEFQPGDVMFTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRILCAGS 361
Qy 361 LEGKTDACQSGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTLRDWITSKT 420
Dy 362 LEGKTDACQSGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTLRDWITSKT 421
Qy 421 GI 422
Dy 422 GI 423
RESULT 5
AAU01344
XX ID AAU01344 standard; Protein; 423 AA.
XX AC AAU01344;
XX
XX Human TANGO 361 amino acid sequence.
XX
XX Human; TANGO 361; transmembrane protein; diagnostic; asthma;
XX immunological disorder; arthritis; graft rejection; renal disorder;
XX acquired immunodeficiency syndrome; inflammatory disorders; psoriasis;
XX AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;
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```
KW prostata; cerebrovascular disease; pituitary; Cushing's disease;
KW neurodegenerative disease; Parkinson's disease.
XX Homo sapiens.
XX Key Location/Qualifiers
XX Peptide 1..35 /note= "Signal peptide"
XX Protein 36..423 /note= "Mature TANGO 361"
XX Domain 36..216 /note= "Cytoplasmic domain"
XX Modified-site 61..63 /note= "Protein kinase C phosphorylation site"
XX Modified-site 75..78 /note= "Asn is N-glycosylated"
XX Modified-site 80..82 /note= "Protein kinase C phosphorylation site"
XX Modified-site 127..130 /note= "Casein kinase II phosphorylation site"
XX Modified-site 159..161 /note= "Protein kinase C phosphorylation site"
XX Modified-site 166..169 /note= "Asn is N-glycosylated"
XX Modified-site 168..171 /note= "Casein kinase II phosphorylation site"
XX Modified-site 179..184 /note= "N-myristylation site"
XX Modified-site 196..199 /note= "Casein kinase II phosphorylation site"
XX Modified-site 180..182 /note= "Protein kinase C phosphorylation site"
XX Modified-site 189..191 /note= "Protein kinase C phosphorylation site"
XX Domain 192..417 /note= "Protein kinase C phosphorylation site"
XX Modified-site 213..218 /note= "Serine protease domain"
XX Modified-site 214..216 /note= "N-myristylation site"
XX Domain 217..234 /note= "Protein kinase C phosphorylation site"
XX Modified-site 223..226 /note= "Transmembrane domain"
XX Active-site 228..233 /note= "Asn is N-glycosylated"
XX Domain 235..423 /note= "Serine protease, histidine active site consensus sequence"
XX Modified-site 236..238 /note= "Extracellular domain"
XX Modified-site 250..252 /note= "Protein kinase C phosphorylation site"
XX Modified-site 279..282 /note= "Protein kinase C phosphorylation site"
XX Modified-site 317..322 /note= "Casein kinase II phosphorylation site"
XX Modified-site 335..338 /note= "N-myristylation site"
XX Modified-site 341..344 /note= "Casein kinase II phosphorylation site"
XX Modified-site 353..355 /note= "Casein kinase II phosphorylation site"
XX Binding-site 359..366 /note= "Protein kinase C phosphorylation site"
XX Modified-site 360..365 /note= "ATP/GTP binding site motif"
XX Active-site 371..375 /note= "N-myristylation site"
XX Modified-site 418..420 /note= "Serine protease, serine active site consensus sequence"
XX /note= "Protein kinase C phosphorylation site"
```

PN WO200121631-A2.
XX 29-MAR-2001.
XX
PF 20-SEP-2000; 2000WO-US25982.
XX
PR 20-SEP-1999; 99US-0399723.
XX
PA (MILL-) MILLENNIUM PHARM INC.
XX
PI KIRST SJ, Sharp JD, Fraser CC, Barnes T, Kingsbury G;
XX
DR WPI; 2001-211461/21.
DR N-PSDB; AAS02070.
XX
XX
PT New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO
PT 361, TANGO 499 or TANGO 509 secreted or transmembrane protein, useful
PT for the diagnosis and treatment of arthritis, psoriasis and Parkinson's
PT disease -
XX
PS Claim 8; Fig 13; 362pp; English.
XX
CC The sequence represents the amino acid sequence of human TANGO 361
CC transmembrane protein. The nucleic acid and polypeptide sequences
CC are useful for the diagnosis, prognosis and treatment of immunological
CC disorders (e.g. arthritis, graft rejection and acquired immunodeficiency
CC syndrome), inflammatory disorders (e.g. psoriasis and asthma), renal
CC disorders, embryonic disorders, brain-related disorders (e.g. cerebral
CC oedema), cerebrovascular diseases (e.g. ischaemia), tumours, prostate-
CC related disorders, pituitary-related disorders (e.g. Cushing's disease)
CC and neurodegenerative diseases (e.g. Parkinson's disease).
XX
SQ Sequence 423 AA;

Query Match 99.6%; Score 2255; DB 22; Length 423;
Best Local Similarity 99.5%; Pred. No. 1.le-178;
Matches 420; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRDPVVRARRVCWEPWVIGLVIFISILVAVICIGLTVHYVRNOKKTYNYSTLSFTT 60
DB 2 MYRDPVVRARRVCWEPWVIGLVIFISILVAVICIGLTVHYVRNOKKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSORLESWKNVAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 120
DB 62 DKLYAEFGREASNNFTMSORLESWKNVAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 121
QY 121 ICRFHSTEDPETVKIVQLVLUHEKLDQAVGPPKVDPHSVKIKKINKTETDLYLNHCCGTR 180
DB 122 ICRFHSTEDPETVKIVQLVLUHEKLDQAVGPPKVDPHSVKIKKINKTETDLYLNHCCGTR 181
QY 181 RSKTLGQSLRIVGGTEVEGEPWQASLOWDGHACGATLINATWLVSAAHCFTYKNPA 240
DB 182 RSKTLGQSLRIVGGTEVEGEPWQASLOWDGHACGATLINATWLVSAAHCFTYKNPA 241
QY 241 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300
DB 242 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301
QY 301 SYEQPGDMVFTVFGALKNDGYQSNHLRQAQVTLIDATTCNEPQAYNDATTPRILCAGS 360
DB 302 SYEQPGDMVFTVFGALKNDGYQSNHLRQAQVTLIDATTCNEPQAYNDATTPRILCAGS 361
QY 361 LEGKTDACGDSGGPLVSSDARDTWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 420
DB 362 LEGKTDACGDSGGPLVSSDARDTWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 421
QY 421 GI 422
DB 422 GI 423

RESULT 6
AAB87578

ID AAB87578 standard; Protein; 423 AA.
XX
AC AAB87578;
XX
DT 15-MAY-2001 (first entry)
XX
DE Human PRO1461.
XX
KW Human; PRO protein; mapping.
XX
OS Homo sapiens.
XX
PN WO200116318-A2.
XX
PD 08-MAR-2001.
XX
XX 24-AUG-2000; 2000WO-US23328.
PF
PR 01-SEP-1999; 99WO-US20111.
PR 15-SEP-1999; 99WO-US21090.
PR 07-DEC-1999; 99US-0169495.
PR 09-DEC-1999; 99US-0170262.
PR 11-JAN-2000; 2000US-0175481.
PR 18-FEB-2000; 2000WO-US04341.
PR 18-FEB-2000; 2000WO-US04342.
PR 22-FEB-2000; 2000WO-US04414.
PR 01-MAR-2000; 2000WO-US05601.
PR 03-MAR-2000; 2000US-0187202.
PR 25-APR-2000; 2000US-0199397.
PR 22-MAY-2000; 2000WO-US14042.
PR 05-JUN-2000; 2000US-0209832.
XX
PA (GETH) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;
PT
XX WPI: 2001-183260/18.
DR N-PSDB; AAF92110.
XX
XX Eighty four nucleic acids encoding PRO polypeptides, useful in
PT molecular biology, including use as hybridization probes, and in
PT chromosome and gene mapping. -
XX
PS Claim 12; Fig 106; 278pp; English.
XX
CC The present sequence is a human PRO polypeptide (secreted and
CC transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
CC anti-PRO antibodies are useful for preparation of a medicament useful in
CC the treatment of a condition which is responsive to the PRO protein,
CC agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
CC employed as molecular weight markers for protein electrophoresis. The PRO
CC coding sequence has applications in molecular biology, including use as
CC hybridisation probes, and in chromosome and gene mapping.
XX
SQ Sequence 423 AA;
Query Match 99.6%; Score 2255; DB 22; Length 423;
Best Local Similarity 99.5%; Pred. No. 1.le-178;
Matches 420; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRDPVVRARRVCWEPWVIGLVIFISILVAVICIGLTVHYVRNOKKTYNYSTLSFTT 60
DB 2 MYRDPVVRARRVCWEPWVIGLVIFISILVAVICIGLTVHYVRNOKKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSORLESWKNVAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 120
DB 62 DKLYAEFGREASNNFTMSORLESWKNVAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 121
QY 121 ICRFHSTEDPETVKIVQLVLUHEKLDQAVGPPKVDPHSVKIKKINKTETDLYLNHCCGTR 180
DB 122 ICRFHSTEDPETVKIVQLVLUHEKLDQAVGPPKVDPHSVKIKKINKTETDLYLNHCCGTR 181

Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGSACGATLINATWLVSAAHCFTTYKNPA 240
 Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGSACGATLINATWLVSAAHCFTTYKNPA 241
 Qy 241 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300
 Db 242 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301
 Qy 301 SYEFQPGDVMFTGFGALKNDGYSQNLHRLRQAVTLIDATTCNEPOAYNDATTPRILCAGS 360
 Db 302 SYEFQPGDVMFTGFGALKNDGYSQNLHRLRQAVTLIDATTCNEPOAYNDATTPRILCAGS 361
 Qy 361 LEGKTDACQSGSGPLVSSDARDIWLGIIVSWGDECAKPNKPGVYTRVTRALROWITSKT 420
 Db 362 LEGKTDACQSGSGPLVSSDARDIWLGIIVSWGDECAKPNKPGVYTRVTRALROWITSKT 421
 Qy 421 GI 422
 Db 422 GI 423
 RESULT 7
 ID AAB66163 standard; protein; 423 AA.
 XX AAB66163;
 AC AAB66163;
 DT 02-APR-2001 (first entry)
 XX Protein of the invention #75.
 DE Secreted; transmembrane; gene therapy.
 KW Unidentified.
 OS WO200078961-A1.
 XX PN 28-DEC-2000.
 XX PD 18-FEB-2000; 2000WO-US04342.
 XX PF 23-JUN-1999; 99US-0141037.
 XX PR 20-JUL-1999; 99US-0144758.
 XX PR 26-JUL-1999; 99US-0145698.
 XX PR 01-SEP-1999; 99WO-US20111.
 XX PR 29-OCT-1999; 99US-0162506.
 XX PR 30-NOV-1999; 99WO-US28313.
 XX PR 02-DEC-1999; 99WO-US28551.
 XX PR 16-DEC-1999; 99WO-US30095.
 XX PR 05-JAN-2000; 2000WO-US00219.
 XX PR 06-JAN-2000; 2000WO-US00376.
 XX PA (GETH) GENENTECH INC.
 XX Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S;
 PI Gao W, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;
 PI Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D;
 PI Watanabe CK, Williams PM, Wood WI;
 XX WPI; 2001-071395/08.
 XX Secreted and transmembrane proteins and nucleic acids designated PRO,
 PT useful as hybridization probes, in chromosome and gene mapping and gene
 PT therapy -
 XX Claim 1; Fig 150; 787pp; English.
 PS The present invention relates to secreted and transmembrane proteins.
 CC These proteins and the DNA encoding them may be used as hybridization
 CC probes, in chromosome and gene mapping and in the generation of
 CC anti-sense RNA and DNA. They may also be used to generate either
 CC transgenic animals or knockout animals which are in turn useful for
 CC development and screening of therapeutically useful reagents.

CC The nucleic acids may also be used in gene therapy.
 XX SQ Sequence 423 AA;
 Query Match 99.6%; Score 2255; DB 22; Length 423;
 Best Local Similarity 99.5%; Pred. No. 1.le-178;
 Matches 420; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 Qy 1 MYRDPVVRARRKVCWEPWVIGLVIFISLIVLAVICIGLTVHVRYNOKKTYNYSTLSFTT 60
 Db 2 MYRDPVVRARRKVCWEPWVIGLVIFISLIVLAVICIGLTVHVRYNOKKTYNYSTLSFTT 61
 Qy 61 DKLYAEFGREASNNFTMSQRLESQWVNAFYKSPLEEFVKSQVIFKSQKHGVLAHMLL 120
 Db 62 DKLYAEFGREASNNFTMSQRLESQWVNAFYKSPLEEFVKSQVIFKSQKHGVLAHMLL 121
 Qy 121 ICRFHSTEDPETVDKIIVQLVHLHEKLDQAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180
 Db 122 ICRFHSTEDPETVDKIIVQLVHLHEKLDQAVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181
 Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGSACGATLINATWLVSAAHCFTTYKNPA 240
 Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGSACGATLINATWLVSAAHCFTTYKNPA 241
 Qy 241 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300
 Db 242 RWTASFGVTIKPSKMKRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301
 Qy 301 SYEFQPGDVMFTGFGALKNDGYSQNLHRLRQAVTLIDATTCNEPOAYNDATTPRILCAGS 360
 Db 302 SYEFQPGDVMFTGFGALKNDGYSQNLHRLRQAVTLIDATTCNEPOAYNDATTPRILCAGS 361
 Qy 361 LEGKTDACQSGSGPLVSSDARDIWLGIIVSWGDECAKPNKPGVYTRVTRALROWITSKT 420
 Db 362 LEGKTDACQSGSGPLVSSDARDIWLGIIVSWGDECAKPNKPGVYTRVTRALROWITSKT 421
 Qy 421 GI 422
 Db 422 GI 423
 RESULT 8
 ID AAU01400 standard; Protein; 423 AA.
 XX AAU01400;
 AC AAU01400;
 XX 18-JUL-2001 (first entry)
 DT Human TANGO 361, variant #2 amino acid sequence.
 DE Human; TANGO 361; transmembrane protein; diagnostic; asthma;
 KW immunological disorder; arthritis; graft rejection; renal disorder;
 KW acquired immunodeficiency syndrome; inflammatory disorders; psoriasis;
 KW AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;
 KW prostate; cerebrovascular disease; pituitary; Cushing's disease;
 KW neurodegenerative disease; Parkinson's disease.
 XX Homo sapiens.
 OS WO200121631-A2.
 XX PN 29-MAR-2001.
 XX PD 20-SEP-2000; 2000WO-US25982.
 XX PF 20-SEP-1999; 99US-0399723.
 XX PR (MILL-) MILLENNIUM PHARM INC.
 XX PI KIRST SJ, Sharp JD, Fraser CC, Barnes T, Kingsbury G;
 XX WPI; 2001-211461/21.

DR N-PSDB; AAS02111.
XX New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO
PT 361, TANGO 499 or TANGO 509 secreted or transmembrane protein, useful
PT for the diagnosis and treatment of arthritis, psoriasis and Parkinson's
PT disease -
XX
XX
PS Disclosure; Page 325-326; 362pp; English.
XX
CC The sequence represents the amino acid sequence of human TANGO 361
CC variant #2 transmembrane protein. The nucleic acid and polypeptide
CC sequences are useful for the diagnosis, prognosis and treatment of
CC immunological disorders (e.g. arthritis, graft rejection and acquired
CC immunodeficiency syndrome), inflammatory disorders (e.g. psoriasis and
CC asthma), renal disorders, embryonic disorders, brain-related disorders
CC (e.g. cerebral oedema), cerebrovascular diseases (e.g. ischaemia),
CC tumours, prostate-related disorders, pituitary-related disorders (e.g.
CC Cushing's disease) and neurodegenerative diseases (e.g. Parkinson's
CC disease).
XX
SQ Sequence 423 AA;
Query Match 99.5%; Score 2252; DB 22; Length 423;
Best Local Similarity 99.3%; Pred. No. 2e-178;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRDPVVRARRKRCVCEPWVIGLVIFISLIVLAVICIGLTVHVRYNQKTYNYSTLSFTT 60
DB 1 MYRDPVVRARRKRCVCEPWVIGLVIFISLIVLAVICIGLTVHVRYNQKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSQRLESQVNAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 120
DB 62 DKLYAEFGREASNNFTMSQRLESQVNAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 121
QY 121 ICRFHSTEDPETVDKIVOLVUHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180
DB 122 ICRFHSTEDPETVDKIVOLVUHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181
QY 181 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGHACGATLINATWLVSAAHCFITYKNPA 240
DB 182 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGHACGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRLRRIIVHEKYKHPSHDYDISLAELSSPVVPTNAVHRCVCLPDA 300
DB 242 RWTASFGVTIKPSKMKRLRRIIVHEKYKHPSHDYDISLAELSSPVVPTNAVHRCVCLPDA 301
QY 301 SYEFQPGDVMEVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRILCAGS 360
DB 302 SYEFQPGDVMEVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRILCAGS 361
QY 361 LEGKTDACQDGGPLVSSDARDIWLIVSWGDECAKPNKPGVYTRVTALRDWITSKT 420
DB 362 LEGKTDACQDGGPLVSSDARDIWLIVSWGDECAKPNKPGVYTRVTALRDWITSKT 421
QY 421 GI 422
DB 422 GI 423
RESULT 9
AAU01401
ID AAU01401 standard; Protein; 423 AA.
XX
XX
AC AAU01401;
XX
XX 18-JUL-2001 (first entry)
XX
XX Human TANGO 361, variant #3 amino acid sequence.
XX
XX Human; TANGO 361; transmembrane protein; diagnostic; asthma;
KW immunological disorder; arthritis; graft rejection; renal disorder;
KW acquired immunodeficiency syndrome; inflammatory disorders; psoriasis;
KW AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;

KW prostate; cerebrovascular disease; pituitary; Cushing's disease;
KW neurodegenerative disease; Parkinson's disease.
XX
XX Homo sapiens.
OS
XX WO200121631-A2
PN
XX
XX 29-MAR-2001.
PD
XX
XX 20-SEP-2000; 2000WO-US25982.
PF
XX
XX 20-SEP-1999; 99US-0399723.
PR
XX
XX (MILL-) MILLENNIUM PHARM INC.
PA
XX
XX Kirst SJ, Sharp JD, Fraser CC, Barnes T, Kingsbury G;
PI WPI; 2001-211461/21.
XX DR
XX N-PSDB; AAS02112.
DR
XX
XX New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO
PT 361, TANGO 499 or TANGO 509 secreted or transmembrane protein, useful
PT for the diagnosis and treatment of arthritis, psoriasis and Parkinson's
PT disease -
XX
XX
PS Disclosure; Page 329-331; 362pp; English.
XX
CC The sequence represents the amino acid sequence of human TANGO 361
CC variant #3 transmembrane protein. The nucleic acid and polypeptide
CC sequences are useful for the diagnosis, prognosis and treatment of
CC immunological disorders (e.g. arthritis, graft rejection and acquired
CC immunodeficiency syndrome), inflammatory disorders (e.g. psoriasis and
CC asthma), renal disorders, embryonic disorders, brain-related disorders
CC (e.g. cerebral oedema), cerebrovascular diseases (e.g. ischaemia),
CC tumours, prostate-related disorders, pituitary-related disorders (e.g.
CC Cushing's disease) and neurodegenerative diseases (e.g. Parkinson's
CC disease).
XX
SQ Sequence 423 AA;
Query Match 99.5%; Score 2252; DB 22; Length 423;
Best Local Similarity 99.3%; Pred. No. 2e-178;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRDPVVRARRKRCVCEPWVIGLVIFISLIVLAVICIGLTVHVRYNQKTYNYSTLSFTT 60
DB 2 MYRDPVVRARRKRCVCEPWVIGLVIFISLIVLAVICIGLTVHVRYNQKTYNYSTLSFTT 61
QY 61 DKLYAEFGREASNNFTMSQRLESQVNAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 120
DB 62 DKLYAEFGREASNNFTMSQRLESQVNAFYKSPLEEFVKSQVIFKFSQKHGVLHMLL 121
QY 121 ICRFHSTEDPETVDKIVOLVUHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180
DB 122 ICRFHSTEDPETVDKIVOLVUHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181
QY 181 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGHACGATLINATWLVSAAHCFITYKNPA 240
DB 182 RSKTLGQSLRIVGGTEVEEGEPWQASLOWDGHACGATLINATWLVSAAHCFITYKNPA 241
QY 241 RWTASFGVTIKPSKMKRLRRIIVHEKYKHPSHDYDISLAELSSPVVPTNAVHRCVCLPDA 300
DB 242 RWTASFGVTIKPSKMKRLRRIIVHEKYKHPSHDYDISLAELSSPVVPTNAVHRCVCLPDA 301
QY 301 SYEFQPGDVMEVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRILCAGS 360
DB 302 SYEFQPGDVMEVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRILCAGS 361
QY 361 LEGKTDACQDGGPLVSSDARDIWLIVSWGDECAKPNKPGVYTRVTALRDWITSKT 420
DB 362 LEGKTDACQDGGPLVSSDARDIWLIVSWGDECAKPNKPGVYTRVTALRDWITSKT 421
QY 421 GI 422


```
Db 422 GI 423
||
422 GI 423

RESULT 10
AAU01402
ID AAU01402 standard; Protein: 423 AA.
XX
AC AAU01402;
XX
DT 18-JUL-2001 (first entry)
XX
DE Human TANGO 361, variant #4 amino acid sequence.
XX
KW Human; TANGO 361; transmembrane protein; diagnostic; asthma;
KW immunological disorder; arthritis; graft rejection; renal disorder;
KW acquired immunodeficiency syndrome; inflammatory disorders; psoriasis;
KW AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;
KW prostate; cerebrovascular disease; pituitary; Cushing's disease;
KW neurodegenerative disease; Parkinson's disease.
XX
OS Homo sapiens.
PN WO200121631-A2.
XX
PD 29-MAR-2001.
XX
PF 20-SEP-2000; 2000WO-US25982.
XX
PR 20-SEP-1999; 99US-0399723.
XX
PA (MILL-) MILLENNIUM PHARM INC.
XX
PI Kirst SJ, Sharp JD, Fraser CC, Barnes T, Kingsbury G;
XX
DR WPI; 2001-211461/21.
XX
DR N-PSDB; AAS02113.
XX
PT New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO
PT 361, TANGO 499 or TANGO 509 secreted or transmembrane protein, useful
PT for the diagnosis and treatment of arthritis, psoriasis and Parkinson's
PT disease -
PS Disclosure; Page 334-335; 362pp; English.
XX
CC The sequence represents the amino acid sequence of human TANGO 361
CC variant #4 transmembrane protein. The nucleic acid and polypeptide
CC sequences are useful for the diagnosis, prognosis and treatment of
CC immunological disorders (e.g. arthritis, graft rejection and acquired
CC immunodeficiency syndrome), inflammatory disorders (e.g. psoriasis and
CC asthma), renal disorders, embryonic disorders, brain-related disorders
CC (e.g. cerebral oedema), cerebrovascular diseases (e.g. ischaemia),
CC tumours, prostate-related disorders, pituitary-related disorders (e.g.
CC Cushing's disease) and neurodegenerative diseases (e.g. Parkinson's
CC disease).
XX
SQ Sequence 423 AA;
Query Match 99.5%; Score 2252; DB 22; Length 423;
Best Local Similarity 99.3%; Pred. No. 2e-178;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
QY 1 MYRPDVRARKVCWEPWVIGLVIFISILVAVCIGLTVHYVRYNQKTTYNYLSFTT 60
|||||
Db 2 MYRPDVRARKVCWEPWVIGLVIFITLLVAVCIGLTVHYVRYNQKTTYNYLSFTT 61
|||||
QY 61 DKLYAEFGREASNNFTENSQRLESVMKNFYKSPRLREFVKSQVIFKSQKHGVLAHMLL 120
|||||
Db 62 DKLYAEFGREASNNFTENSQRLESVMKNFYKSPRLREFVKSQVIFKSQKHGVLAHMLL 121
|||||
QY 121 ICRFHTSDPETVDKIVQLVHLKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180
|||||
Db 122 ICRFHTSDPETVDKIVQLVHLKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181
|||||

181 RSKTLGQSLRIVGGTEVEGEPWQASLQWDGSHACGATLINATWLVSAAHCFTTYKNPA 240
|||||
182 RSKTLGQSLRIVGGTEVEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 241
|||||
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSVPYTNVHRVCLPDA 300
|||||
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSVPYTNVHRVCLPDA 301
|||||
QY 301 SYEFOPGDVFMFTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDATIPRILCAGS 360
|||||
Db 302 SYEFOPGDVFMFTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDATIPRILCAGS 361
|||||
QY 361 LEGKTDACQDGGSGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTRALRDWITSKT 420
|||||
Db 362 LEGKTDACQDGGSGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTRALRDWITSKT 421
|||||
QY 421 GI 422
||
Db 422 GI 423

RESULT 11
AAU01399
ID AAU01399 standard; Protein: 423 AA.
XX
AC AAU01399;
XX
DT 18-JUL-2001 (first entry)
XX
DE Human TANGO 361, variant #1 amino acid sequence.
XX
KW Human; TANGO 361; transmembrane protein; diagnostic; asthma;
KW immunological disorder; arthritis; graft rejection; renal disorder;
KW acquired immunodeficiency syndrome; inflammatory disorders; psoriasis;
KW AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;
KW prostate; cerebrovascular disease; pituitary; Cushing's disease;
KW neurodegenerative disease; Parkinson's disease.
XX
OS Homo sapiens.
XX
PN WO200121631-A2.
XX
PD 29-MAR-2001.
XX
PF 20-SEP-2000; 2000WO-US25982.
XX
PR 20-SEP-1999; 99US-0399723.
XX
PA (MILL-) MILLENNIUM PHARM INC.
XX
PI Kirst SJ, Sharp JD, Fraser CC, Barnes T, Kingsbury G;
XX
DR WPI; 2001-211461/21.
XX
DR N-PSDB; AAS02110.
XX
PT New nucleic acid encoding INTERCEPT 307, MANGO 511, TANGO 351, TANGO
PT 361, TANGO 499 or TANGO 509 secreted or transmembrane protein, useful
PT for the diagnosis and treatment of arthritis, psoriasis and Parkinson's
PT disease -
PS Disclosure; Page 317-320; 362pp; English.
XX
CC The sequence represents the amino acid sequence of human TANGO 361
CC variant #1 transmembrane protein. The nucleic acid and polypeptide
CC sequences are useful for the diagnosis, prognosis and treatment of
CC immunological disorders (e.g. arthritis, graft rejection and acquired
CC immunodeficiency syndrome), inflammatory disorders (e.g. psoriasis and
CC asthma), renal disorders, embryonic disorders, brain-related disorders
CC (e.g. cerebral oedema), cerebrovascular diseases (e.g. ischaemia),
CC tumours, prostate-related disorders, pituitary-related disorders (e.g.
CC Cushing's disease) and neurodegenerative diseases (e.g. Parkinson's
CC disease).
```


DT 31-JUL-2001 (first entry)
XX Human endotheliase 1 protein.
XX Human; endotheliase 1; protease domain; cytostatic; vulnery; wound;
KW neotropic; periodontitis; dermatological disorder; gene therapy; scar;
KW angiogenesis; cardiovascular disorder; psoriasis; neovascular disease;
KW chronic inflammatory disease; ocular disorder; circulatory disorder;
KW crest syndrome; atherosclerosis; haemangiomas; diabetes mellitus;
KW liver cirrhosis; osteoradionecrosis; systemic sclerosis; oesophageal;
KW inflammatory bowel disease; fracture; rheumatoid arthritis; retinopathy;
KW systemic vasculitis; scleroderma; neoplasm; ulcer; burn; DESCL gene.
XX Homo sapiens.
XX
XX Key Location/Qualifiers
XX Misc-difference 24 /label= Unknown
XX /note= "Encoded by ATN"
XX Misc-difference 37 /label= Unknown
XX /note= "Encoded by NTC"
XX Misc-difference 393 /label= Unknown
XX /note= "Encoded by TNG"
XX Domain 190..422
XX /label= Protease_domain
XX WO200136604-A2.
XX
XX 25-MAY-2001.
XX
XX 17-NOV-2000; 2000WO-US31803.
XX
XX 18-NOV-1999; 99US-0166391.
XX 22-SEP-2000; 2000US-0234840.
XX
XX (CORV-) CORVAS INT INC.
XX
XX Madison EL, Ong EO;
XX
XX WPI; 2001-336001/35.
XX N-PSDB; AAD05812.
XX
XX New nucleic acid encoding a protein comprising endotheliase activity
XX useful in the prevention and treatment of e.g. vascular malformations,
XX cardiovascular disorders, and chronic inflammatory disease -
XX
XX Claim 4; Page 149-151; 152pp; English.
XX
XX The present sequence is human endotheliase 1 protein which is encoded by
XX DESCL gene. DESCL is used for the diagnosis of squamous cell carcinoma or
XX prostate cancer.
XX
XX The invention relates to an endotheliase protein, endotheliase protease
XX domain and their corresponding nucleic acid molecules. An endotheliase
XX protein or protease domain of it is useful for the treatment and
XX diagnosis of disorders associated with aberrant angiogenesis or undesired
XX neovascularisation. The undesired angiogenesis is associated with
XX disorders selected from solid neoplasm, vascular malformations and
XX cardiovascular disorders such as angiofibroma, angiolipoma,
XX atherosclerosis, restenosis/reperfusion injury, arteriovenous
XX malformations, haemangiomas and vascular adhesions, dyschondroplasia
XX with vascular hamartomas (Fafucci's syndrome), hereditary haemorrhagic
XX telangiectasia (Rendu-Osler-Weber syndrome) and Von Hippel Lindau
XX syndrome, chronic inflammatory diseases such as diabetes mellitus,
XX haemophilic joints, inflammatory bowel disease, nonhealing fractures,
XX periodontitis, psoriasis, rheumatoid arthritis, venous stasis ulcers,
XX granulomatous, psoriasis, hypertrophic scars, liver cirrhosis,
XX osteoradionecrosis, postoperative adhesion, pyogenic granuloma and
XX systemic sclerosis and aberrant wound repairs, circulatory disorders
XX Raynaud's phenomenon, crest syndromes such as calcinosis, oesophageal,
XX dyomyolysis, sclerodactyly and telangiectasis, dermatological disorders
XX such as systemic vasculitis, scleroderma, pyoderma gangrenosum,

CC vasculopathy, venous, arterial ulcers, Sturge-Weber syndrome, Port-wine
CC stains, blue rubber bleb nevus syndrome, Klippel-Trenaunay-Weber syndrome
CC and Osler-Weber-Rendu syndrome and ocular disorders such as blindness
CC caused by ocular neovascular disease, corneal graft neovascularisation,
CC macular degeneration, retinopathy of prematurity, retrolental
CC fibroplasia and corneal neovascularisation. The nucleic acids of the
CC invention are also used in gene therapy. The invention also provides
CC method for screening compounds that modulate angiogenesis.
XX
XX SQ Sequence 422 AA;
XX
XX Query Match 98.6%; Score 2232; DB 22; Length 422;
XX Best Local Similarity 98.8%; Pred. No. 9.2e-177;
XX Matches 417; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
XX
XX QY 1 MYRPDVVRARKVWCWEPWVIGLVIFSLIVLAVCGTGLTVVHYRYNOKKTYNYSTLSFTT 60
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 1 MYRPDVVRARKVWCWEPWVIGLVIFSLIVLAVCGTGLTVVHYRYNOKKTYNYSTLSFTT 60
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSQVVKFSQOKHGVLAHMLL 120
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSQVVKFSQOKHGVLAHMLL 120
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 121 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPPKVDPHSVKIKKINKTETDSTYLNHCCGTR 180
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 121 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPPKVDPHSVKIKKINKTETDSTYLNHCCGTR 180
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 181 RSKTLGOSLRIVGGTEVEEGEWPQASLOWGSHAGCATLINATWLVSAAHCFYTKNPA 240
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 181 RSKTLGOSLRIVGGTEVEEGEWPQASLOWGSHAGCATLINATWLVSAAHCFYTKNPA 240
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYPKSHDYDISLAELSSPPVYTNVHRVCLPDA 300
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYPKSHDYDISLAELSSPPVYTNVHRVCLPDA 300
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 301 SYEFOPGDVWFTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPOAYNDATIPRLCAGS 360
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 301 SYEFOPGDVWFTGFGALKNDGYSQNHLRQAQVTLIDATTCNEPOAYNDATIPRLCAGS 360
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 361 LEGKTDACOGSGGPLVSSDARDIYLAGIVSGDECAKPNKPGVYTRVYTRVYTRVYTRV 420
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX DB 361 LEGKTDACOGSGGPLVSSDARDIYLAGIVSGDECAKPNKPGVYTRVYTRVYTRVYTRV 420
XX ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
XX QY 421 GI 422
XX ||
XX DB 421 GI 422
XX
XX RESULT 14
XX AAO21900
XX ID AAO21900 standard; Protein; 407 AA.
XX
XX AC AAO21900;
XX
XX DT 13-SEP-2002 (first entry)
XX
XX DE Homologous human protease protein.
XX
XX KW Human protease; transgenic animal; transgenic non-human animal; enzyme;
XX tissue typing.
XX
XX OS Homo sapiens.
XX
XX PN WO200226947-A2.
XX
XX PD 04-APR-2002.
XX
XX PF 26-SEP-2001; 2001WO-US29960.
XX
XX XX 27-SEP-2000; 2000US-235557P.
XX PR 13-DEC-2000; 2000US-0734675.
XX
XX (PEKE) PE CORP NY.

XX Webster M, Ketchum KA, Di Francesco V, Beasley EM;
 XX WPI: 2002-499867/53.
 XX Novel peptide designated as human protease useful as target for
 PT diagnosing a disease or predisposition to the disease mediated by the
 PT peptide -
 XX Disclosure: Flg 2; 102pp; English.
 XX The invention relates to a novel isolated human protease consisting or
 CC comprising of an amino acid sequence containing 405 amino acids fully
 CC defined in the specification, its allelic variant, orthologue or
 CC fragment. The human protease is useful for identifying a modulator of it,
 CC by contacting the human protease with an agent and determining if the
 CC agent has modulated the function, expression or activity of the human
 CC protease. A pharmaceutical composition of the invention is useful for
 CC treating a disease, or condition mediated by human protease. A human
 CC protease antibody is useful in tissue typing where a specific protein has
 CC been correlated with expression in specific tissue, antibodies that are
 CC specific for this protein which can be useful to identify a tissue type.
 CC The polynucleotide encoding the human protease is useful for constructing
 CC transgenic animals expressing the polynucleotide and peptides. A
 CC genetically engineered host cell is useful in producing a transgenic non-
 CC human animal, e.g. rodent such as rat or mouse, in which one or more of
 CC the cells of the animal include a transgene. This sequence represents a
 CC homologous protein of the human protease of the invention.

XX Sequence 407 AA;
 Query Match 95.8%; Score 2169; DB 23; Length 407;
 Best Local Similarity 99.5%; Pred. No. 1.5e-171;
 Matches 405; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 16 EPWITGLVIFSLIWLAVICIGLVHYRYNQKKNYYSYTLSTFTDKLYAEFGREASNNF 75
 Db 1 EPWITGLVIFSLIWLAVICIGLVHYRYNQKKNYYSYTLSTFTDKLYAEFGREASNNF 60
 Qy 76 TMSORLESWMKNFYKSPLEEFVKQSVIKFSQKHGVLAHMLLICRHFSTEDPETVDK 135
 Db 61 TMSORLESWMKNFYKSPLEEFVKQSVIKFSQKHGVLAHMLLICRHFSTEDPETVDK 120
 Qy 136 IVQLVHEKLDQVGPVKPVHSVKKIKNTETDSYLNHCCGTRRSKTLGQSLRIVGTT 195
 Db 121 IVQLVHEKLDQVGPVKPVHSVKKIKNTETDSYLNHCCGTRRSKTLGQSLRIVGTT 180
 Qy 196 EVEGEPWQASLOWDGHSHACGATLINATLWLSAAHCFYTKNPARWTASFQVTKPSKM 255
 Db 181 EVEGEPWQASLOWDGHSHACGATLINATLWLSAAHCFYTKNPARWTASFQVTKPSKM 240
 Qy 256 KGLRLRIIVHEKYKPSHDYDISLAELSPVPYTNVHRVCLPDASYEFGQDVMFVTGF 315
 Db 241 KGLRLRIIVHEKYKPSHDYDISLAELSPVPYTNVHRVCLPDASYEFGQDVMFVTGF 300
 Qy 316 GALKNDGYSONHLRAQVTLIDATTCNPOAYNDAITPRILCAGSLEKGTACQDSDGSP 375
 Db 301 GALKNDGYSONHLRAQVTLIDATTCNPOAYNDAITPRILCAGSLEKGTACQDSDGSP 360
 Qy 376 LVSSDARDIWIYLAGIVSGWDECAKPNKPGVYTRVTRVTRVTRVTRVTRVTRVTRV 422
 Db 361 LVSSDARDIWIYLAGIVSGWDECAKPNKPGVYTRVTRVTRVTRVTRVTRVTRVTRV

RESULT 15
 AAEE01942
 ID AAEE01942 standard; Protein: 233 AA.
 XX
 AC AAEE01942;
 XX

DT 31-JUL-2001 (first entry)
 XX Human endotheliasin 1 protease domain.

XX Human: endotheliasin 1; protease domain; cytostatic; vulnary; wound;
 KW nontropic; periodontitis; dermatological disorder; gene therapy; scar;
 KW angiogenesis; cardiovascular disorder; psoriasis; neovascular disease;
 KW chronic inflammatory disease; ocular disorder; circulatory disorder;
 KW crest syndrome; atherosclerosis; haemangiomatosis; diabetes mellitus;
 KW liver cirrhosis; osteoradionecrosis; systemic sclerosis; oesophageal;
 KW inflammatory bowel disease; fracture; rheumatoid arthritis; retinopathy;
 KW systemic vasculitis; scleroderma; neoplasm; ulcer; burn.
 OS Homo sapiens.
 PN WO200136604-A2.
 XX 25-MAY-2001.
 XX 17-NOV-2000; 2000WO-US31803.
 XX 18-NOV-1999; 99US-0166391.
 XX 22-SEP-2000; 2000US-0234840.
 XX (CORV-) CORVAS INT INC.
 XX Madison EL, Ong EO;
 XX WPI: 2001-336001/35.
 XX N-PSDB: AAD05795.
 XX New nucleic acid encoding a protein comprising endotheliasin activity
 PT useful in the prevention and treatment of e.g. vascular malformations,
 PT cardiovascular disorders, and chronic inflammatory disease -
 XX Claim 4; Page 134-135; 152pp; English.
 XX The present sequence is human endotheliasin 1 protease domain.
 CC The invention relates to an endotheliasin protein, endotheliasin protease
 CC domain and their corresponding nucleic acid molecules. An endotheliasin
 CC protein or protease domain of it is useful for the treatment and
 CC diagnosis of disorders associated with aberrant angiogenesis or undesired
 CC neovascularisation. The undesired angiogenesis is associated with
 CC disorders selected from solid neoplasm, vascular malformations and
 CC cardiovascular disorders such as angiofibroma, angiolipoma,
 CC atherosclerosis, restenosis/reperfusion injury, arteriovenous
 CC malformations, haemangiomatosis and vascular adhesions, dyschondroplasia
 CC with vascular hamartomas (Fafucci's syndrome), hereditary haemorrhagic
 CC telangiectasia (Rendu-Osler-Weber syndrome) and Von Hippel Lindau
 CC syndrome, chronic inflammatory diseases such as diabetes mellitus,
 CC haemophilic joints, inflammatory bowel disease, nonhealing fractures,
 CC periodontitis, psoriasis, rheumatoid arthritis, venous stasis ulcers,
 CC granulations/burns, hypertrophic scars, liver cirrhosis,
 CC osteoradionecrosis, postoperative adhesion, pyogenic granuloma and
 CC systemic sclerosis and aberrant wound repairs, circulatory disorders
 CC Raynaud's phenomenon, crest syndromes such as calcinosis, oesophageal,
 CC dyomeotility, sclerodactyly and teanglectasis, dermatological disorders
 CC such as systemic vasculitis, scleroderma, pyoderma gangrenosum,
 CC vasculopathy, venous, arterial ulcers, Sturge-Weber syndrome, Port-wine
 CC stains, blue rubber bleb nevus syndrome, Klippel-Trenaunay-Weber syndrome
 CC and Osler-Weber-Rendu syndrome and ocular disorders such as blindness
 CC caused by ocular neovascular disease, corneal graft neovascularisation,
 CC macular degeneration, retinopathy of prematurity, retrolental
 CC fibroplasia and corneal neovascularisation. The nucleic acids of the
 CC invention are also used in gene therapy. The invention also provides
 CC method for screening compounds that modulate angiogenesis.

XX Sequence 233 AA;
 Query Match 55.8%; Score 1263; DB 22; Length 233;
 Best Local Similarity 99.1%; Pred. No. 9.8e-97;
 Matches 231; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 190 RIVGTEVEGEPWQASLOWDGHSHACGATLINATLWLSAAHCFYTKNPARWTASFQV 249
 Db 1 RIVGTEVEGEPWQASLOWDGHSHACGATLINATLWLSAAHCFYTKNPARWTASFQV 60

QY 250 IKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDASYEFQPGDV 309
Db 61 IKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDASYEFQPGDV 120
QY 310 MFVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATPRILCAGSLEGKTDACQ 369
Db 121 MFVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATPRMLCAGSLEGKTDACQ 180
QY 370 GDSGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKGTGI 422
Db 181 GDSGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKGTGI 233

Search completed: January 10, 2003, 04:34:59
Job time : 75.5 secs

